

	*	20	*	40	*	60	*
Borowsky	:	SOARNDBCQEZGHSQLKMPSTWYVSQOTHERSMICQFCVLLHMEFIYVITAFNLSPITPWRPKLSCMPNSTY					
Friedman_1	:	.....		GLRSASY-----		Q.LK---.SRF-----	
Friedman_2	:	.....		M...Y.....		L..A.L..A..S.K..F.G..T.D	
Friedman_3	:	.....		M...Y.....		L..A.L..A..S.K..F.G..T.D	

	*	100	*	120	*	140	*
Borowsky	:	FLLPAGLSKNTSNSNGHYETAVERKFNSSGTHFSNLSTTFHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVFOQID					
Friedman_1	:	-----QALSPCRIST.LXLP.SARG-----					
Friedman_2	:	..S..APN.A.ALK.AS.AI..A....IYVE..V....GN.GQ..ALT..T...LA.V.KAS..R.LG					
Friedman_3	:	..S..APN.A.ALK.AS.AI..A....IYVE..V....GN.GQ..ALT..T...LA.V.KAS..R.LG					

	*	180	*	200	*	220	*
Borowsky	:	WNIQCWLKGDKLFIQYVESLEKMLFRNYKVHLLYVLPEVLDSPLVPQKGSFQMVHNCNSVHECCECLVPPTAK					
Friedman_1	:	.D.E..M...T...HM.P.P.P.K.DS..D...ID...P.L.D..T.Q...LRG...H...R..					
Friedman_2	:	.D.E..M...T...HM.P.P.P.K.DS..D...ID...P.L.D..T.Q...LRG...H...R..					
Friedman_3	:	.D.E..M...T...HM.P.P.P.K.DS..D...ID...P.L.D..T.Q...LRG...H...R..					

	*	260	*	280	*	300	*
Borowsky	:	DTLLMCLKITSGVIFQSPIMSVQPINMVKPDPPLGLHMEITDDGNLKISWSSPPLVFPLOQYQVKSSENSTVIREA					
Friedman_1	:	YA..Y.E..A.S.....L..MLV.....V.....D.QTMA.....L...-IV...					
Friedman_2	:	YA..Y.E..A.S.....L..MLV.....V.....D.QTMA.....L...-IV...					
Friedman_3	:	YA..Y.E..A.S.....L..MLV.....V.....D.QTMA.....L...-IV...					

	*	340	*	360	*	380	*
Borowsky	:	IVSATSLLVDSILPGSSYEVQVRGKRLDGPIMSDWSTPRVFTTQDVLYPPPKILTSGSNVSFHCITYKKENKIIVPSK					
Friedman_1	:	.....V.....S...S.V.....S.Q.....V.....A.....N.Q.IS..					
Friedman_2	:	.....V.....S...S.V.....S.Q.....V.....A.....N.Q.IS..					
Friedman_3	:	.....V.....S...S.V.....S.Q.....V.....A.....N.Q.IS..					

	*	420	*	440	*	460	*
Borowsky	:	VWMNLAEKIPQSOYDVSDVSKVTFPNLNETKPRGKFTYDAVYCCNEHECHHRYAELVYIDVININISCE					4
Friedman_1	:	..R.....EI..SI..R.....S..KA..R.....QA.....					
Friedman_2	:	..R.....EI..SI..R.....S..KA..R.....QA.....					
Friedman_3	:	..R.....EI..SI..R.....S..KA..R.....QA.....					

	*	500	*	520	*	540	*
Borowsky	:	CRWSTSTIQSLAESTLQLRHYRSSLCCSDIPSIHIPISEPKDCYLQSDGFYRCIFQPIFLSGYTMIRINHS					5
Friedman_1	:	...P.....VG..V.....R...P..S...T...N..V..R.....V.....					
Friedman_2	:	...P.....VG..V.....R...P..S...T...N..V..R.....V.....					
Friedman_3	:	...P.....VG..V.....R...P..S...T...N..V..R.....V.....					

	*	580	*	600	*	620	*
Borowsky	:	TCVLPDSVWKPLPPSSVKAETITNIGLKISMEKPFVFPENNLOQIRYGLSGKKEVQWKMYEZYDAKSKSVSLP					6
Friedman_1	:	...N.....V..T...V.....I.....I...TH..F.....A..L..S...					
Friedman_2	:	...N.....V..T...V.....I.....I...TH..F.....A..L..S...					
Friedman_3	:	...N.....V..T...V.....I.....I...TH..F.....A..L..S...					

	*	660	*	680	*	700	*
Borowsky	:	YAVQVRCKRLDGLGYWSNWSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNVTLWKPLMKNDLSLCSVQ					7
Friedman_1	:	..V.....R.....S...L...V.....KMD..VT...R.....T.....R...VK..R					
Friedman_2	:	..V.....R.....S...L...V.....KMD..VT...R.....T.....R...VK..R					
Friedman_3	:	..V.....R.....S...L...V.....KMD..VT...R.....T.....R...VK..R					

	*	740	*	760	*	780	*
Borowsky	:	CNGTWSBDVGNHTKFTFLMTEQAHTVTVLAINSIGASVANENLTFSWPMKVNIVOSLSAYPLNSSCVTVS					8
Friedman_1	:	..H.....R..NL.....P.....V..L...LV.....SA..E.....S.....L..T...D.					
Friedman_2	:	..H.....R..NL.....P.....V..L...LV.....SA..E.....S.....L..T...D.					
Friedman_3	:	..H.....R..NL.....P.....V..L...LV.....SA..E.....S.....L..T...D.					

	*	820	*	840	*	860	*	8
Borowsky	:	LMYFIEMKNLNEDEGEIKWLRISSVKRYIHGKFTL						
Friedman_1	:	.L.LV...I...DGM...P.N...F...DN.IPIKYOFSLYPVFMGVGKPKIINGFTKDAIDKQNDAGLYV						
Friedman_2	:	.L.LV...I...DGM...P.N...F...DN.IPIKYOFSLYPVFMGVGKPKIINGFTKDAIDKQNDAGLYV						
Friedman_3	:	.L.LV...I...DGM...P.N...F...MC.V.FWD						

	*	900	*	920	*	
Borowsky	:	PIIISCVLLLGITLLISHQRMKKLEFWDV/PNPKNCSWAQGLNFQKRTDTL				876
Friedman_1	:	PIIISCVLLLGITLLISHQRMKKLEFWDV/PNPKNCSWAQGLNFQKRTDTL				876
Friedman_2	:	PIIISCVLLLGITLLISHQRMKKLEFWDV/PNPKNCSWAQGLNFQKRTDTL				934
Friedman_3	:					